Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/09/2021 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124258	-1	2.8	124168	2.79
Blue	F	SSC	125000	122532	-2	3.32	122874	3.24
Blue	E	FITC	13131	12720	-4	3.46	292	15.99
Blue	D	PE	24112	23647	-2	3.15	539	11.04
Blue	B	PerCP-Cy5-5	31295	30652	-3	4.13	1010	15.14
Blue	A	PE-Cy7	19939	19713	-2	6.05	523	30.46
Red	C	APC	42122	40990	-3	2.85	1719	11.63
Red	A	APC-Cy7	22340	21791	-3	3.16	817	11.89
Violet	B	V450	7410	7016	-6	3.71	426	12.41
Violet	A	V500	28118	26928	-5	3.21	672	9.9

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22980	2.96	567	-2	N/A	N/A	Pass
Blue	F	SSC	56958	2.37	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0402	103	Pass
Blue	D	PE	113	37.53	490	2	0.4416	340	Pass
Blue	B	PerCP-Cy5-5	187	36.22	587	1	0.0187	37	Pass
Blue	A	PE-Cy7	104	69.05	630	2	0.0201	0	Pass
Red	C	APC	395	24.56	580	4	0.0263	168	Pass
Red	A	APC-Cy7	183	28.05	556	5	0.0059	1002	Pass
Violet	B	V450	59	63.91	460	7	0.0654	2419	Pass
Violet	A	V500	97	30.89	472	7	0.0236	290	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.37	-31.22	1.02
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.15	13.60 - 20.40	N/A	N/A	29.72	29.81	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9574

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments